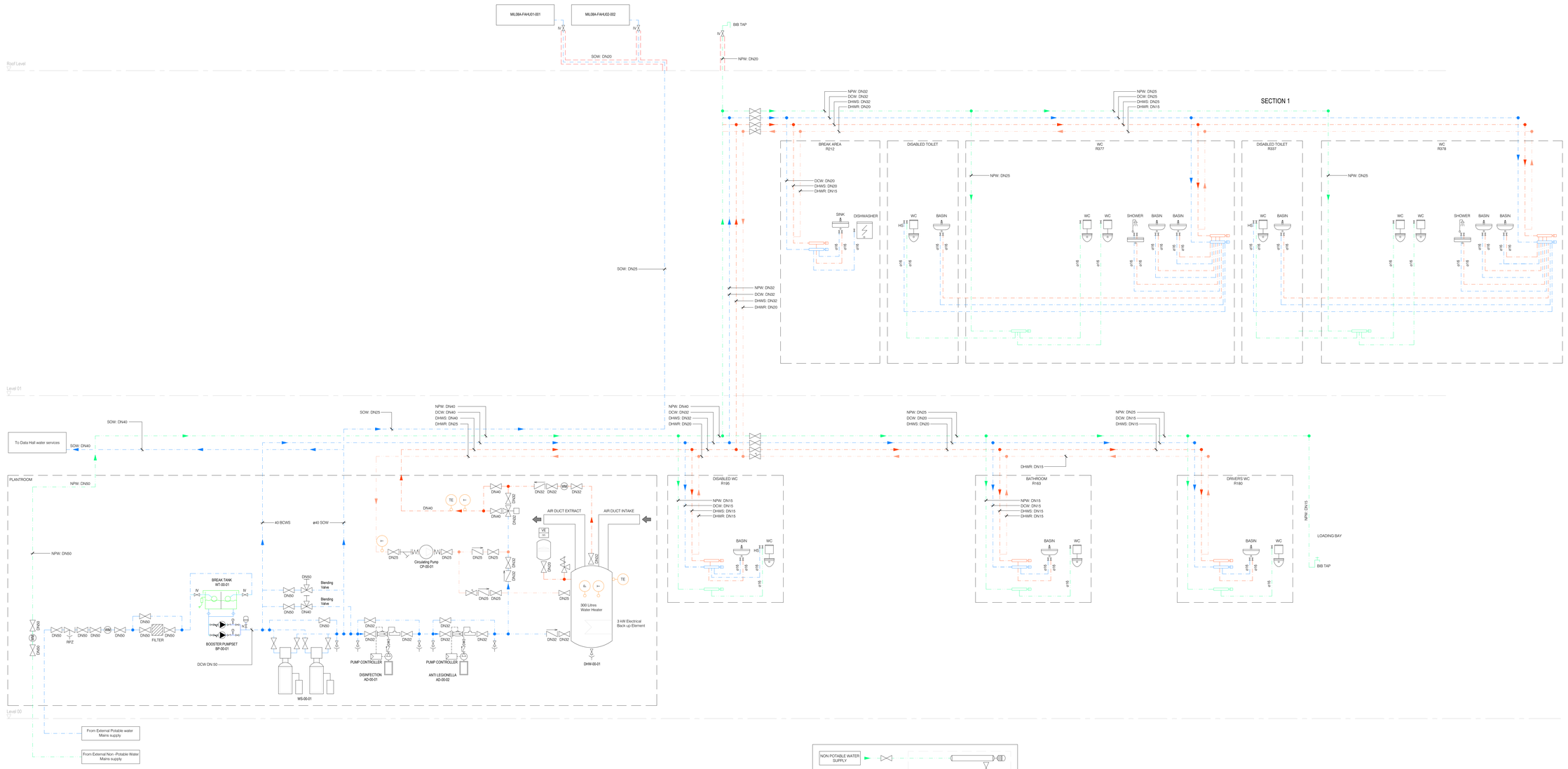
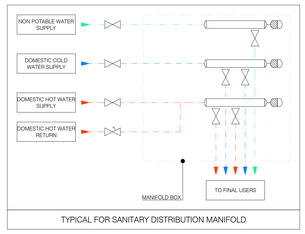
A0 - Do not scale

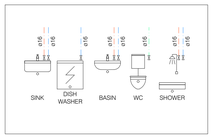


WATER SCHEMATICS (OFFICE BUILDING)



TYPICAL FOR SANITARY DISTRIBUTION MANIFOLD

SCHEMATICS - SANITARY SYSTEM P&I DIAGRAM - MIL 08A OFFICES



General Notes

1. This drawing has been checked in accordance with Black & White Engineering (B&W) QA checking procedures.
2. Do not scale from this drawing. All dimensions indicated are in millimeters unless otherwise stated. Verify critical dimensions on site.
3. All equipment and component dimensions are typical. The Contractor should show actual, approved client and equipment sizes.
4. This drawing is to be read in conjunction with all relevant B&W MEP specifications, schedules and standard key to symbols sheet.
5. Any discrepancies between the drawings and other documents should be brought to the attention of the engineer.
6. This drawing is not an installation drawing. It is the Contractors responsibility to make detailed coordination shop drawings.
7. Final ceiling coordination subject to interior design package.
8. Contractor to coordinate final distribution routes with available sleeves and openings in beams / structure.
9. The contents of this drawing shall be read in conjunction with the current revisions of other relevant Architectural, Structural, Mechanical, and Electrical drawings and all relevant sections of the specifications.

Legend

- DHWR — Domestic Hot Water Return
- DHWS — Domestic Hot Water Supply
- DCWS — Domestic Cold Water Supply
- NPW — Non Potable Water Supply
- Softened Water
- Trace Heated Pipework
- Shut-Off Valve
- Regulating Valve
- Piped Discharge
- Discharged Valve
- Wall Sanitary Manifold
- Temperature Gauge
- Pressure Gauge
- Water Meter
- Inverter Pump
- Diaphragm Expansion Vessel
- Pressurized Water Tank
- Pipe Manifold

Abbreviations / Annotations

BT	Bib Tap
CP	Circulating Pump
CV	Control Valve
DCW	Domestic Cold Water
DHWR	Domestic Hot Water Return
DHWS	Domestic Hot Water Supply
DN	Nominal Diameter
DWP	Domestic Water Pump
ES	Electric Shower
EV	Expansion Vessel
EWH	Electric Water Heater
HS	Hand Held Spray
NPW	Non Potable Water
PS	Presence Detector
RPZ	Reduced Pressure Zone Valve
SOW	Softened Water
SV	Solenoid Valve
WH	Water Heater
WM	Water Meter
WS	Water Softener
WT	Water Tank
WPD	Water Treatment Product Dispenser

Rev	Details	By / Chkd / App	Date
P02	STAGE 3 - 100% ISSUE	BWE / MA / MA	17/01/2025
P02	STAGE 3 - 60% ISSUE	BWE / MA / MA	26/11/2024
P01	STAGE 2	BWE / MA / MA	11/10/2024

Client

STACK INFRASTRUCTURE

Lead Consultant / MEP Designer

Office No. 1801
Marina Plaza
Dubai marina
PO Box 27730
Tel. +971 4 365 2228
www.bw-engineering.com

Designer / Architect / Civil

L22 è una divisione di:
Lombardini22 S.p.A.
Via Lombardo 22
T. +39 02 36 59 02 00
info@l22.it

20143 Milano, Italia
F. +39 02 83 20 13 97
www.l22.it

Structural

Studio Progetti Strutturali

Ing. Arturo Donadio
S.P.S. S.r.l. www.spssrl-mi.it
Via M. Gioia, 64 - 20125 Milano, Italia
segreteria@spssrl-mi.it T. 0296594887

Project Title

Data Center Stack Campus Siziano (PV)

Drawing Title

Schema Idrico Sanitario MIL08A

Designer

Ing. Roberto Cereda
iscritto all'Ordine degli Ing. di Brescia n. 2609

Project Status

VIA (Titolo III, d.lgs. 152/2006)

Discipline

Status Code

Project Number: **ME-0053**

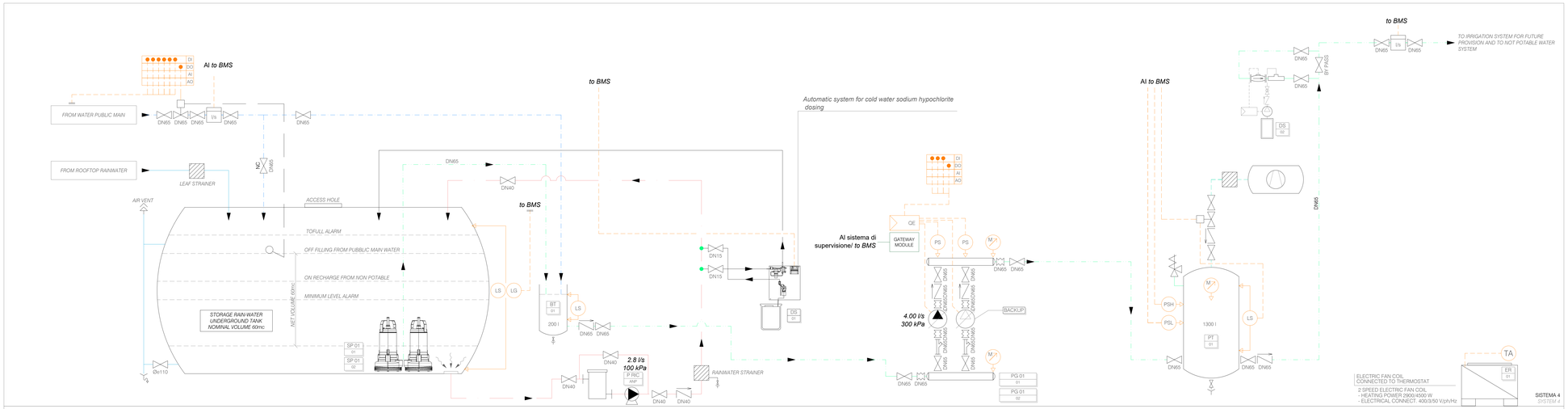
Scale @ A0: **NTS**

Revision: 30/06/2026

Drawing Number: **4553-L22-ZZ-ZZZ-TRP-DRW-ME-0053**

Autodesk Docs://P2687_STACK MIL08A MEP DWG/4553-L22-ZZ-ZZZ-TRP-DRW-ME-0053.dwg
01/10/2025 10:01:11 am B-Black & White Engineering A0_P2 (Area: 89.00)

A0 - Do not scale



NON POTABLE WATER STORAGE SCHEMATICS

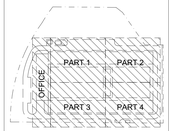
GENERAL NOTES:
- Drawing valid only for mechanical installations under contract.
- All measurements, levels and dimensions of existing buildings have to be verified on site by the contractor, who shall promptly report any interference with existing.
- Any unaffected equipment shall be maintained, if necessary, it shall be modified and restored by the contractor.
- Exact locations of equipment, materials, piping, ducts, connection to existing facilities shall be determined by the contractor and submitted to the construction manager.
- Final sizing according to the manufacturer of the equipment and materials actually installed.
- All equipment must be easily maintainable and accessible via trapdoors or similar solutions even where not specifically specified.
- All the plant and equipment installed must be fitted with safety devices and protections in compliance with all regulatory requirements for earthquake-proofing.
- Construction detail drawings necessary for the proper execution of the work shall be arranged by the contractor.
- The installation of elements in the field must comply with all manufacturers' prescriptions and recommendations, good engineering rules on acoustics and fire prevention.
- All planned and described interventions, evaluated on the basis of the available documentation, should be re-evaluated and deepened during the works, after plant verification following appropriate surveys of the existing situation.
- The Contractor shall be responsible for the detailed design and report any inaccuracies, incompletenesses or discrepancies with any standard or law.
-Connections between two or more sections of duct both with indoor units and with ducts themselves, shall be made only with invitation fittings and not with hammered derivations or detachments. The Contractor shall be responsible for making construction drawings showing the type of derivations and connections between ducts and ducts with the indoor units provided

SYMBOL	DESCRIPTION
	DIAL PRESSURE GAUGE WITH THREE-WAY TEST TAP
PS	PRESSURE SWITCH
PSH	HIGH PRESSURE SWITCH
PSL	LOW PRESSURE SWITCH
LS	LEVEL SWITCH
TA	ELECTRIC FANCOIL CONTROL THERMOSTAT
QE	POWER AND CONTROL DASHBOARD
	SHUT-OFF VALVE
	CHECK VALVE
	2 WAY VALVE WITH MOTOR
	SAFETY VALVE
	ANTI-VIBRATION JOINT
	Y FILTER
	CARTRIDGE FILTER
SYMBOL	DESCRIPTION
	SCARICO CONVOGLIATO PIPED DISCHARGE
	DISCHARGE VALVE
	PIPE COLLECTOR
l/s	VOLUMETRIC FLOW METER
	INVERTED ELECTRONIC PUMP
	AIR COMPRESSOR
EXP	DIAPHRAGM EXPANSION VESSEL WITH
	PRESSURIZED WATER TANK
	AIR COMPRESSOR
DCW	DOMESTIC COLD WATER SUPPLY - galvanized pipes
DHW	DOMESTIC HOT WATER SUPPLY - insulated galvanized pipes
NPW / SOF	NON POTABLE WATER SUPPLY - PEHD (underground) or galvanized pipes (outside)
	SOFTENED WATER SUPPLY - galvanized pipes
	RAINWATER PEHD
PG 01 01	SINGLE PUMP
P RIC 01	RECIRCULATION PUMP
PT 01	PRESSURIZED TANK
BT 01	BREAK TANK
DS 01	DOSING SYSTEM

General Notes

1. This drawing has been checked in accordance with Black & White Engineering (B&W) QA checking procedures.
2. Do not scale from this drawing. All dimensions indicated are in millimeters unless otherwise stated. Do not scale dimensions from drawings.
3. All plant and equipment dimensions are typical. The Contractor should show actual, approved plant and equipment sizes.
4. This drawing is to be read in conjunction with all relevant B&W MEP specifications, schedules and standard key to symbols sheet.
5. Any discrepancies between the drawings and other documents should be brought to the attention of the engineer.
6. This drawing is not an installation drawing. It is the Contractors responsibility to make all necessary construction drawings from this drawing.
7. Final ceiling coordination subject to interior design package.
8. Contractor to coordinate final distribution routes with available sleeves and openings in beams / structure.
9. The contents of this drawing shall be read in conjunction with the current revisions of all relevant specifications, Civil, Structural, Mechanical and Electrical drawings and all relevant sections of the specifications.

Key Plan



Rev.	Details	By / Chkd / App	Date
P02	Revised Stage 3 – 100% issue	LG/RG/LE/MC	14/02/2026
P01	STAGE 3 - 100% ISSUE	LG/RG/LE/MC	11/01/2026

Client
STACK INFRASTRUCTURE

Lead Consultant / MEP Designer
Office No. 1801
Marina Plaza
Dubai marina
PO Box 27793
Tel. +971 4 366 2228
www.bw-engineering.com

Designer / Architect / Civil
L22 è una divisione di:
Lombardini22 S.p.A.
Via Lombardo 22
T. +39 02 36 59 62 00
info@l22.it
20143 Milano, Italia
P. +39 02 83 20 13 97
www.l22.it

Structural
Ing. Arturo Donadio
S.P.S. S.r.l. www.spsstr.mi.it
Via M. Gioia, 64 - 20125 Milano, Italia
segreteria@spsstr.mi.it T. 0295694987

Project Title
Data Center Stack Campus Siziano (PV)

Drawing Title
Schema Idrico Sanitario MIL08A

Designer
Ing. Roberto Cereda
iscritto all'Ordine degli Ing. di Brescia n. 260

Project Status
VIA (Titolo III, d.lgs. 152/2006)

Discipline | Status Code

Project Number: ME-0053
Scale @ A0: NTS
Revision: 30/06/2026

Drawing Number
4553-L22-ZZ-ZZZ-TRP-DRW-ME-0053

Do Not Scale - A0
Generated by Revit 2026.0